

## TABLE OF CONTENTS

DISCLAIMER .....	ii
ACKNOWLEDGMENTS .....	iii
EXECUTIVE SUMMARY .....	iv
TABLE OF CONTENTS .....	ix
INTRODUCTION .....	1
Recovery Unit Designation .....	1
Geographic Description .....	2
DISTRIBUTION AND ABUNDANCE .....	7
Status of Bull Trout at the Time of Listing .....	7
Current Distribution and Abundance .....	7
REASONS FOR DECLINE .....	12
Dams .....	12
Forest Management Practices .....	15
Livestock Grazing .....	19
Agricultural Practices .....	20
Transportation Networks .....	21
Mining .....	23
Residential Development and Urbanization .....	24
Fisheries Management .....	24
Isolation and Habitat Fragmentation .....	26
ONGOING RECOVERY UNIT CONSERVATION MEASURES .....	29
STRATEGY FOR RECOVERY .....	32
Recovery Goals and Objectives .....	47
Recovery Criteria .....	50
ACTIONS NEEDED .....	54
Recovery Measures Narrative .....	54
IMPLEMENTATION SCHEDULE .....	76
REFERENCES CITED .....	88

Appendix A. Summary of bull trout information for environmental baselines in biological assessments by the Boise National Forest. ....	95
Appendix B. Waters within the Southwest Idaho Recovery Unit appearing on Idaho’s 1998 303(d) list (IDEQ 1998). ....	103
Appendix C. List of Chapters .....	110

## LIST OF FIGURES

Figure 1. Bull trout recovery units in the United States. The Southwest Idaho Recovery Unit is highlighted. ....	1
Figure 2. Boise River Recovery Subunit showing the locations of the Arrowrock, Anderson Ranch, and Lucky Peak Core Areas (see Table 4). ....	35
Figure 3. Arrowrock Core Area (Boise River Recovery Subunit) showing the locations of local populations and areas with potential spawning and rearing habitat (see Table 4). ....	36
Figure 4. Anderson Ranch Core Area (Boise River Recovery Subunit) showing the locations of local populations and areas with potential spawning and rearing habitat (see Table 4). ....	37
Figure 5. Lucky Peak Core Area (Boise River Recovery Subunit) showing the location of the local population (see Table 4). ....	38
Figure 6. Payette River Recovery Subunit showing the locations of the upper South Fork Payette River, Deadwood River, Middle Fork Payette River, North Fork Payette River, and Squaw Creek Core Areas (see Table 6). .	39
Figure 7. Upper South Fork Payette River Core Area (Payette River Recovery Subunit) showing the locations of local populations and areas with potential spawning and rearing habitat (see Table 4). ....	40
Figure 8. Deadwood River Core Area (Payette River Recovery Subunit) showing the locations of local populations and areas with potential spawning and rearing habitat (see Table 4). ....	41
Figure 9. Middle Fork Payette River Core Area (Payette River Recovery Subunit) showing the locations of local populations and areas with potential spawning and rearing habitat (see Table 4). ....	42

Figure 10. North Fork Payette River Core Area (Payette River Recovery Subunit) showing the locations of local populations and areas with potential spawning and rearing habitat (see Table 4). . . . .	43
Figure 11. Squaw Creek Core Area (Payette River Recovery Subunit) showing the locations of local populations and areas with potential spawning and rearing habitat (see Table 4). . . . .	44
Figure 12. Weiser River Recovery Subunit showing the location of the Weiser River Core Area (see Table 4). . . . .	45
Figure 13. Weiser River Creek Core Area (Weiser River Recovery Subunit) showing the locations of local populations and areas with potential spawning and rearing habitat (see Table 4). . . . .	46

## LIST OF TABLES

Table 1. Land ownership for the Boise River Recovery Subunit (modified from Stovall 2001). . . . .	3
Table 2. Land ownership for the Payette River Recovery Subunit (modified from Stovall 2001). . . . .	4
Table 3. Land ownership for the Weiser River Recovery Subunit (modified from Stovall 2001). . . . .	5
Table 4. Recovery subunits, core areas, local populations, and currently unoccupied potential spawning and rearing habitat in the Southwest Idaho Recovery Unit, Idaho. . . . .	33
Table 5. Summary of values for recovery criteria in the Southwest Idaho Recovery Unit . . . . .	53